CENTRAL INTELLIGENCE AGENCY

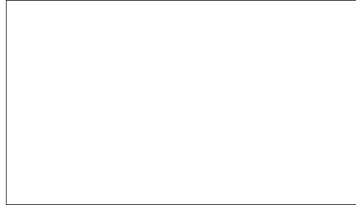OFFICE OF THE DEPUTY DIRECTOR

16 September 1982

NOTE FOR: Director, OSWR

FROM   : EA/DDCI

As you can see, John McMahon will be making a few remarks at the symposium discussed in the attached on the "state of intelligence" and will later participate in a panel discussion on electronic warfare and RDT&E programs. Would you please provide any suggestions or background information that he should be aware of for the panel discussion only. I am sending along the program so you can have an idea of the speakers involved, etc. We will need this information no later than 6 October.

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Attachment

1982 DOD-AOC ELECTRONIC WARFARE
TECHNICAL SYMPOSIUM

12-13-14 OCTOBER 1982

SAN FRANCISCO, CA

The Department of Defense and the Joint Chiefs of Staff, as well as others, have emphasized the importance of U.S. microelectronics technology in providing a meaningful advantage as an offset of Soviet quantitative superiority. This has particular significance in Electronic Warfare (EW) where there is a premium on quick, effective response to the threat which is rapidly increasing in sophistication as well as quantity.

The theme for this year's Technical Symposium is: "EW--A new Era is Dawning." This theme will be developed by highlighting the revolutionary VLSI technology transfer to engineering applications: new innovative EW systems concepts; development, production and OT&E of EW equipment; operational training and deployment tactics and new perspectives of the threat.

The Chairman is Dr. William J. Perry, Managing Partner of Hambrecht & Quist and former Undersecretary of Defense Research and Engineering.

The International Co-chairman is Mr. Hans Eberhard, former Armament Director, Ministry of Defense, West Germany.

The Technical Symposium Committee includes:

Planning Group

Gil Decker
Clark Fiester
John Grigsby
Bill May
Russ Porter
Dutch Schulte

Liaison Group

Russ Porter	OSD
CDR J. Julian	IHCS
	NSA
CAPT W. McLaine	USN
COL T. Owen	USAF
	NSA
	DIA
MAJ L. Shields	NATO
LCOL Christopher Salmon	USMC

STAT

STAT

Publicity

Jim Brennan

Program/Protocol

Joe Bert

The technical Symposium session on 12 October 1982 will be held at the unclassified level in the San Francisco Hilton and Tower Hotel. The sessions on 13 and 14 October will be conducted at the US Secret, NATO Countries, New Zealand and Australia level in the U.S. Navy facilities at Treasure Island. Present plans for these sessions are as follows:

12 October 1982 — Unclassified — Hilton Hotel

0830 Hrs.	Flag Ceremony
0835	AOC Awards
0900	Technical Symposium Opening Remarks
	—Dr. Perry
	—Hans Eberhard
0930	Congressional Keynote (in process)
1000	Break
1015	OSD Keynote Hon. James P. Wade
1045	Military Keynote GEN Wilbur L. Creech
1115	NATO EW Group Captain D. R. Watson
1130	Lunch

1300 Hrs.   VLSI-VHSIC Session — Hardware/software research progress highlighting the evolutionary technology transfer advantages in weight and size and processing capability in current weapon systems and the revolutionary aspects when combined with low observable type operational systems of the future.

Chairman & Co-chairman	Potential Guest Speakers
Larry Sumney	
James Meindl	

1700   ADJOURN

13 October 1982 – Classified – Treasure Island Theater

0830 Hrs.   New perspectives of the Threat Session — Present and projected threats pacing weapon system EW requirements and RDT&E programs. Included will be a special report on possible enemy reaction to new U.S. weapon systems such as cruise missiles, low observable vehicles, etc.

Chairman & Co-chairman	Potential Guest Speakers	
Charles Hawkins	LGEN Faurer	NSA
RADM D. McDowell	RADM Burkhalter	DIA
	John McMahon	CIA
	John "Russ" Porter	OUSDRE

1200   Lunch

13 October 1982 – Classified – Treasure Island Theater (continued)

1330   Operational EW Systems Session – EW effectiveness in joint service operations—deployment, tactics, training, O&M, etc.

Chairman & Co-chairman	Potential Panel Members	
Clark Fiester	ADM Long	
	GEN G. Blanchard	USAF (ret)
	GEN R. Mathis	AF Ret
	RADM R. Hilton	OJCS
	MGEN Maloney	USMC
	MGEN D. Larson	JEWC

Coordinator

Eve Baker

1700   ADJOURN

14 October 1982 – Classified – Treasure Island Theater

0830 Hrs.   EW Development System Sessions – Highlights of Engineering, Production and DT&E/IOT&E phases of major EW Acquisition programs.

Chairman & Co-chairman	Potential Guest Speakers	
Bill B. May	Frank Fleisher	ASPJ

1200   Lunch

1330   New EW Concepts Session – Imaginative concepts for new military operational capabilities such as C3CM, EO/IR EW, low observable weapon system, laser (med. energy) CM, and "countering" enemy EW by innovative applications of high leverage EW technology and operational tactics. Included will be "EW lessons learned" in the recent Falkland and Lebanon conflicts.

Chairman	Potential Guest Speaker	
Gil Decker	LGEN K. Burke	NSAF

Coordinator

Joe Sparagna

1700   ADJOURN

AOC SYMPOSIUM UPDATE

A.M. 13 OCT / CLASSIFIED / TREASURE ISLAND THEATER

NEW PERSPECTIVES OF THE THREAT

Present and projected threat pacing weapon system EW requirements and RDT&E

programs. Included will be a special report on possible enemy reaction to

new U.S. weapons systems such as cruise missiles, low observable vehicles, etc.

0830   Welcome Aboard - CO Treasure Island

0840   Introduction of Session and Speakers - Mr. Hawkins

0850   State of Intelligence Today - Mr. McMahon

0910   Trends and Capabilities - RADM Burkhalter

0930   Threat Assessment from a Technical ELINT Perspective - Dr. O'Hara

0950   AOC/DoD Technical Studies - Mr. Porter

1015   Break

1035   Presentation of Paper - Signal Trends in the Next Decade - [   ] NSA   STAT

1055   Presentation of Paper - Soviet Electronic Warfare - FTD Representative -

       LT Playle

1115   Thirty Minute Panel Discussion - Members of the Panel -

                                   Mr. McMahon

                                   ~~LGEN Faurer~~

                                   RADM Burkhalter

                                   Mr. Porter

Panel Moderator - Mr. Hawkins

Subject: Intelligence Support to Electronic Warfare

1145   Summation

1200   Lunch

~~CONFIDENTIAL~~

PANEL DISCUSSION

INTELLIGENCE SUPPORT TO EW

I. The Requirements (HAWKINS)

Intel must support a broad range of EW needs from RDT&E to planning to combat operations.

Examples are:
- systems RDT&E
- operational test and evaluation
- doctrine & training development
- systems reprogramming
- operational planning
- combat operations
- targeting

II. The Response (PANEL)

The intelligence community currently has many initiatives underway to support these requirements.

(NSA)
- Support to exercises (training & procedures development)
- Operational experiments (learn as we do)
- NCWR (removal of Green door as inhibitor)
- NATO developments (facilitate combined ops & data exchange)
- Data bases (current OB)
- Composite modeling (structural/behavioral description of target)
- Threat projections (looking ahead)
- Seniors meetings (share requirements and initiatives)

III. The Challenge (PANEL)

- Improve understanding of target (know your enemy)
- Keep abreast of evolving doctrine/requirements (Air/Land 2000)
- Optimize employment of scarce resources
- Develop meaningful measures of effectiveness (know payoff)
- Shorten development cycle (get capability into field)
- Approach challenge together (resolve language and rice bowl issues)

IV. Summary (HAWKINS)

Extemporaneous.

Think the layout above would give a good overview of "what we need to do," "what we are doing" and "what remains to be done." Suggest Charlie talk to the requirement and then each panel member discuss his perceptions of items II and III (about 5 minutes each). Charlie would then summarize and perhaps issue a challenge of his own.